



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name : VinylDiamond
Product Use : Inorganic Protective Topcoat
Restrictions on use : Do not use product for anything outside of the above specified uses
Manufacturer/Supplier : CoverTec Products LLC
10821 NW 50th Street
Sunrise, FL 33351
United States of America
Product Information : 754-223-2465
Transport Emergency : INFOTRAC: +1-800-535-5053
Revision Date: NA
Preparation Date: 03/05/2018

SECTION 2 – HAZARDS IDENTIFICATION



GHS Pictograms:

GHS Signal Word: WARNING

This product is mildly alkaline. Avoid contact with eyes and skin. Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed.

POTENTIAL HEALTH EFFECTS:

CODE OF HAZARD STATEMENTS:

Physical hazards

None.

Health Hazards

H303-may be harmful if swallowed.

H312-Harmful in contact with skin.

H319-Causes serious eye irritation.

H333-May be harmful if inhaled.

Environmental hazards

None

CODE OF PRECAUTIONARY STATEMENTS:

General

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements

P202-Do not handle until all safety precautions have been read and understood.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling using this product.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

P284-Wear respiratory protection.

Response statements

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P403-Store in well-ventilated place.

P404-Store in a closed container.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.

CARCINOGENICITY: None know at this time.



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Components

| Component | CAS # | EINECS No | % by weight | REACH Reg. # |
|------------------|------------|-----------|-------------|--------------|
| Prop. | Prop. | Prop. | 1-8 | No |
| Prop. | Prop. | Prop. | 1-8 | Yes |
| Prop. | NA | NA | 15-25 | NA |
| Lithium Silicate | 12627-14-4 | 235-730-0 | 10-15 | Yes |
| Water | 7732-18-5 | 231-791-2 | Balance | No |

REACH Registration number is the EINECS # and CAS#: lithium silicate is 235730012627144.

SECTION 4 – FIRST AID MEASURES

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. **DO NOT INDUCE VOMITING.** Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: Not flammable **Flammability Limits:** NE

Fire Fighting Media: Dry chemical, carbon dioxide, and water spray.

Special Fire Fighting Procedures: First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE). Material is alkaline and may cause the floor to be slippery.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Clean-up Procedures: Material is alkaline wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use plastic shovel to pick up absorbent for disposal.

Spills and Leaks: Dispose in accordance to local, state or federal regulations. **SECTION 7 – HANDLING AND STORAGE**

Handling: Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.

Storage: Store in original labeled container. Keep in cool and dry areas.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Introductory Remarks: Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

Hands: Chemical resistant gloves

Respiratory: Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

Other: None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|------------------------|------------------------------|----------------------------|
| Odor/Color | Ammonia & white liquid | Vapor Pressure | < 2.2 torr @ 68 °F (20 °C) |
| pH | 11.0 | Density(water=1) | 1.05 @ 68°F (20 °C) |
| VOC | < 50g/L | Solubility | > 95 % in water |
| Evaporation rate(water=1) | < 1.0 | Boiling Point | 212 °F (100 °C) |
| Freezing point | 0 °C (32 °F) | Vapor density (air=1) | > 1 |



SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Considered stable under normal ambient temperatures.

Hazardous Decomposition: If complete combustion, oxides of carbon and silicates are formed.

Hazardous Polymerization: Will not occur.

Incompatibility~ Materials to Avoid: May react with strong oxidizing agents and strong acids.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating.

Acute Skin Irritation: Chronic exposure may be irritating.

Acute Dermal Toxicity: Not expected to be toxic through the skin.

Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.

Carcinogenic Effects: None

Existing Medical Conditions Aggravated by Exposure: Exposure to eyes and skin may cause irritation to pre-existing conditions.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: The toxicity of this product has not been determined.

Environmental Fate: This product should be expected to be readily biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method: What ever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

Container Handling and Disposal: All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT: Not Regulated

IATA : Not Regulated

IMDG: Not Regulated

TDG: Not Regulated

Further Information

Not dangerous goods: The transportation information is not intended to convey all specific regulatory data relating to this material.

SECTION 15 – REGULATORY INFORMATION

EPCRA 311/312 Categories: Immediate (Acute) Health Effects: Yes

Delayed (Chronic) Health Effects: Yes

Fire Hazard: No

Sudden Release of Pressure No

Reactivity: No

European Community: irritating (Xi) substances

Right to know classification: All ingredients are listed in CA, FL, MA, MI, MN, PA and NJ.

TSCA: All ingredients listed or exempt from listing

Reportable Quantity (RQ): None

Prop. 65: None

WHMIS: Xi (Irritant to the eyes and skin)

All ingredients are listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

ABBREVIATIONS:

CAS # Chemical Abstract Service Number EINECS European Inventory of existing Commercial Chemical Sales

°C Celsius temperature scale °F Fahrenheit temperature scale

Prop. Proprietary PE Personal Protective Equipment

TLV Threshold Limit Value TWA Time Weighted Average

STEL Short-term Exposure Limit PEL Permissible Exposure Limit



OSHA Occupational Safety & Health NIOSH National Institute of Safety & Health
NFPA National Fire Protection Agency WHMIS Workplace Hazardous Materials Information System
NTP National Toxicology Program IARC Int. Agency for Research on Cancer
RCRA Resource Conservation Recovery Act TSCA Toxic Substance Control Act
EC50 Effective Dose LC50 Lethal Inhalation Concentration
LD50 Lethal Dose CAS Chemical Abstract Service Number
LEL Lower explosive limit UEP Upper explosive limit
NDA No Data Available ND Not determined
NE None established NA Not Applicable
< Less Than or Equal To > Greater Than or Equal To
CNS Central Nervous System CI China
DSL Canada ECL Korean Existing Chemicals List
EEC European Economic Commission ENCS Japanese Existing and New Chemical List
EU European Union MAC Netherlands
MAK Germany MITI Japan
PICCS Philippines SWISS Giftliste 1
UK United Kingdom USA United States
VOC Volatile organic content ACGIH American Conference of Government Industrial Hygienists
SARA Superfund Amendments and Reauthorization Act
AICS Australian Inventory of Chemical Substances
IARC International Agency for Research on Cancer
Taiwan List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances
Control Act of 1086

SECTION 16- OTHER INFORMATION

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMIBILITY: 0

REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C